

S/135/61/000/002/009/012
A006/A001

AUTHOR: Voshchanov, K. P., Engineer

TITLE: Repair of the Front Traverse of a Horizontal 5,000-Ton Press

PERIODICAL: Svarochnoye proizvodstvo, 1961, No. 2, pp. 35-36

TEXT: The front traverse of a horizontal press is a 44-ton cast part made of steel which contains: 0.34% C; 0.32-0.37% Si; 0.66-0.68% Mn; 0.04% S and 0.025% P. After four years of operation, four 350 - 590 mm long cracks were revealed on the internal surfaces of the central bushing located in the corners of the rectangular apertures in (Fig. 1). The sole means of repairing the cracks was welding-up by heating the traverse to 450°C and by subsequent heating to 650°C for stress elimination. Repair by this technology was extremely difficult due to the fact that the spots to be welded were located inside the traverse where the welding operator was not able to work at the given temperature. Therefore a special furnace was developed for the heating, welding and heat treating of the traverse (Fig. 2). The furnace, consisting of a metal carcass with refractory brick lining, was mounted around the traverse which was placed on a refractory shield on the shop floor. The furnace walls were 500 mm thick. The heating coils were located

Card 1/5

S/135/61/000/002/009/012
A006/A001

Repair of the Front Traverse of a Horizontal 5,000-Ton Press

in special horizontal grooves along the vertical furnace walls. Normal work conditions inside the traverse were established by introducing a special hollow two-wall water-cooled aluminum screen with apertures at the spots to be welded; outside a ventilator was placed which pulling the air through the central aperture, exhausted the gases formed during welding and produced a cold air flow. To eliminate the defects of the operation assembly of the traverse, it was intended to reinforce its central portion by welding 135 mm thick "35st." steel inserts into the rectangular apertures. The cracks and insert edges were chamfered with gas cutters by heating the traverse to 150°C. The inserts were placed on backing plates and fastened to the chamfered edges of the cracks. First the cracks and then the inserts were welded-up with d-c of reverse polarity using УОНИ-13/55 (UONI-13/55) electrode bundles and a ПСМ-1000 (PSM-1000) generator. The gap was filled by the cascade method by multi-layer seams. During welding, the seams were peened with a pneumatic chisel by specially trained locksmiths. About 120 kg of metal were built up on each crack. Subsequently the traverse was tempered at 650°C for 3 hours to eliminate internal stresses. After the intermediate heat treatment, the temperature was reduced to 450 - 420°C and the steel inserts were welded into the apertures, by a system shown in Figure 4. The traverse was then subjected to

Card 2/5

S/135/61/000/002/009/012
AOC6/A001

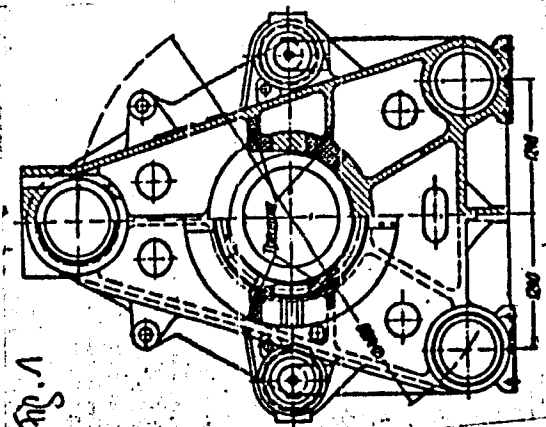
Repair of the Front Traverse of a Horizontal 5,000-Ton Press

final high-temperature tempering at 650°C and to cooling in the furnace during four days. The furnace was then removed. A control of the traverse did not reveal any inadmissible deformations or changes in dimensions. The repaired traverse has been operating normally for 12 months.

Figure 1:

Figure 1

General view of a 5,000-ton press traverse. The dotted lines show the location of cracks in the corners of the technological apertures.



Card 3/5

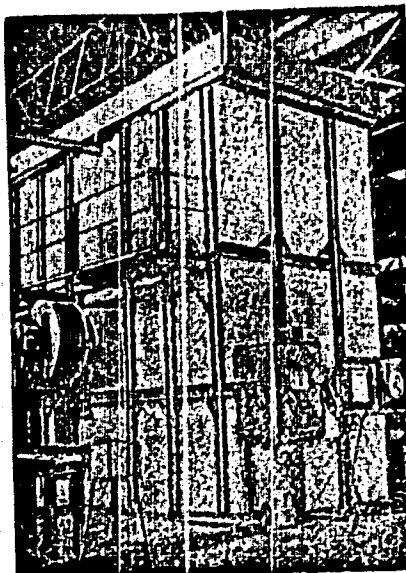
S/135/61/000/002/009/012
A006/A001

Repair of the Front Traverse of a Horizontal 5,000-Ton Press

Figure 2

General view of a furnace from the side of the exhaust fan.

Figure 2:



Card 4/5

8/135/61/000/002/009/012
A006/A001

Repair of the Front Traverse of a Horizontal 5,000-Ton Press

Figure 3

Schematic representation of mounting the inserts on backing strips:

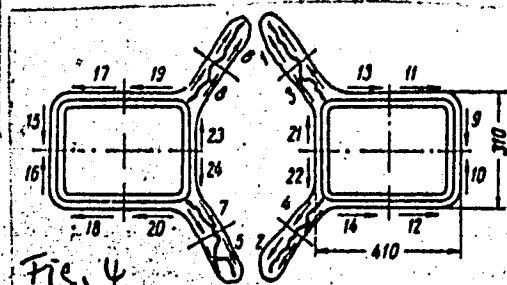
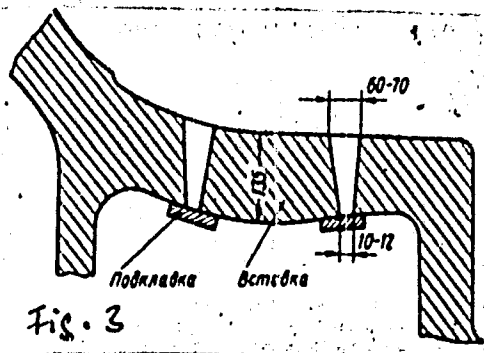


Figure 4

Schematic drawing of welding-up cracks and direction of welding. The figures indicate the sequence, and the arrows the direction of welding. There are 4 figures.

ASSOCIATION: Tsentral'nyye eksperimental'nyye svarochnyye masterskiye VNIIAVTOGENa
Card 5/5 (VNIIAVTOGEN Central Experimental Welding Shops)

VOSHCHANOV, Konstantin Pavlovich; KIRILLOV, Ivan Ivanovich;
CHERNYAK, V.S., nauchnyy red.; SAZIKOV, M.I., red.;
DORODNOVA, L.A., tekhn. red.

[Machines and apparatuses for the flame machining of
metals; an album] Mashiny i apparatura dlia gazoplamen-
noi obrabotki metallov; al'bom. Moskva, Proftekhizdat,
1963. 122 p. (MIRA 16:8)

(Gas welding and cutting--Equipment and supplies)

(Flame hardening--Equipment and supplies)

VOSHCHANOV, K.P., inzh.

Exchange of experience acquired in the welding of cast iron.
Svar. proizv. no.6:21-22 Je '63. (MIRA 16:12)

VOSHCHANOV, K.P.; YEGERMAN, B.G.

Volunteer-staffed University of the Scientific Technological Society of the Machinery Industry for increasing the qualifications of welding engineers and technicians. Svar.proizv. no.1:41-42 Ja '62. (MIRA 15:3)

1. Predsedatel' Metodicheskogo soveta zaachnykh kursov usovershenstvovaniya inzhenerno-tehnicheskikh rabotnikov po tekhnologii i oborudovaniyu svarochnogo proizvodstva pri Obshchestvennom universitete Nauchno-tehnicheskogo obshchestva mashinostroitel'noy promyshlennosti (for Voshchanov). 2. Direktor Obshchestvennogo universiteta Nauchno-tehnicheskogo obshchestva mashinostroitel'noy promyshlennosti (for Yegerman).

(Welding Study and teaching)

VORONTSOVA, Ye.I., doktor med.nauk; KARACHAROV, T.S., inzh.;
VOSHCHANOV, K.P., inzh.

Labor conditions and their improvement in the electric welding
of aluminum and aluminum alloys. Svar. proizv. no.9:33-36
S '61. (MIRA 14:8)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR (for
Vorontsova, Karacharov). 2. Tsentral'nyye eksperimental'nyye
svarochnyye masterskiye Vsesoyuznogo nauchno-issledovatel'skogo
instituta avtogennoy obrabotki metallov (for Voshchancv).

(Aluminum--Welding)

(Welding--Hygienic aspects)

VOSHCHANOV, K.P., inzh.; VOLODIN, V.S., kand.tekhn.nauk

Consultations on readers' letters. Svar. proizv. no.3:48 Mr
'62. (MIRA 15:2)

1. Tsentral'nyye eksperimental'nyye svarochnyye masterskiye
Vsesoyuznogo nauchno-issledovatel'skogo instituta avtozennoy
obrabotki metallov (for Voshchanov). 2. Goskomitet Soveta
Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (for
Volodin).

(Welding)

VOSHCHANOV, K.P., inzh.; NIFONTOV, T.Ye., inzh.; GUZOV, S.G., kand.
tekhn. nauk

Consultations on readers' letters. Svar. proizv. no.1:47-
48 Ja '64. (MIRA 17:1)

1. Tsentral'nyye eksperimental'nyye svarochnyye masterskiye
Vsesoyuznogo nauchno-issledovatel'skogo instituta avtozennoy
obrabotki metallov (for Voshchanov). 2. Leningradskiy
metallicheskoy zavod im. XXII s"yezda Kommunisticheskoy
partii Sovetskogo Soyuza (for Nifontov). 3. Vsesoyuznyy
nauchno-issledovatel'skiy institut avtozennoy obrabotki
metallov (for Guzov).

VOSHCHANOV, Konstantin Pavlovich; KLEBANOV, G.N., kand. tekhn. nauk,
red.; SOBOLEVA, G.N., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Stories about welding] Rasskazy o svarke. Moskva, Mashgiz,
143 p. (MIRA 15:10)

(Welding)

VOENNO-MOR, N.

Trade-Unions

Recording of collective agreements. V pom. profaktivu, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. Unclassified.

VOZROJZENIY, K.

Labor Contract

Recording of collective agreements. V pom.profaktivu No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. Unclassified.

NESHUMOV, B.V., kand.iskusstvoved.nauk; KOSHELEV, A.Ye., arkhitektor;
 ASTROVA, T.Ye., arkhitektor; SHIKHEYEV, V.N., arkhitektor;
YOSHCHANOVA, G.K., arkhitektor; GORBUNOVA, V.A., arkhitektor;
 KOVAL'KOV, V.G., arkhitektor; MARKEYEV, Yu.S., arkhitektor;
 YAVOROVSKAYA, M.E., arkhitektor; OGRYZKO, P.V., arkhitektor;
 TIKHONOVA, N.V., arkhitektor; MANANNIKOVA, L.V., arkhitektor;
 GRADOV, G.A., red.; PAVLENKO, M.V., red.

[Furniture and equipment for public buildings; catalog based
 on materials from the Exhibition of Furniture and Equipment
 for Public Buildings, 1959-1960] Mebel' i oborudovanie dlia
 obshchestvennykh zdani; katalog sostavlenn po materialam
 vystavki mebeli i oborudovaniia dlia obshchestvennykh zdani,
 1959-1960 gg. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i
 stroit.materialam, 1960. 186 plates. (MIRA 14:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut
 obshchestvennykh zdaniy i sooruzheniy. 2. Chlen-korrespondent
 Akademii stroitel'stva i arkhitektury SSSR (for Gradov).
 (Furniture--Catalogs) (Public buildings--Equipment and supplies)

BLAGOVIDOV, D.F.; VOSHCHANOVA, N.P. (Moskva)

Cases of retroperitoneal phlegmons. Khirurgiia 37 no.3:108-110
Mr '61. (MIRA 14:3)

(RETROPERITONEAL SPACE—DISEASES) (PHLEGMON)

VOSHCHANOVA, N.P., kand. med. nauk; SHISHKIN, S.S. (Moskva)

Prevention of repeated myocardial infarcts. Klin. med. 40 no.11:
58-62 N'62 (MIRA 16:12)

VOSHCHANOVA, N.P.

Tuberculosis of the pancreas. Klin.med., Moskva no.3:75-77
Mr '50. (CIVIL 19:2)

1. Of the Pathologico-Anatomic Institut imeni Academician
A.I.Abrikosov (Scientific Director -- Prof. L.M.Shabad,
Corresponding Member AMS) of the Hospital imeni Botkin.

VOSCHANOVA, N. P.

VOSCHANOVA N. P.

Экспериментально-морфологические исследования лейкоза мыши.
[Experimental morphological study of leukemia in mice]
Arch. pat., Moskva 12:3 May-June 50

1. Of the Laboratory of Oncology (Head—Corresponding Member AMS USSR Prof. L. M. Shabad) of the Institute of Normal and Pathological Morphology (Director Academician A. I. Abrikosov of the Academy of Medical Sciences USSR, Moscow.

CLIL 19, 5, Nov. 1950

VCSHCHANCVA, N. P.

"Experimental-Morphological Investigation of Leukosis in Mice (Certain Problems of Pathological Anatomy and Pathogenesis)." Sub 30 Jan 51, Central Inst for the Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

BULAVINTSEVA, Vera Ivanovna; VOSHCHANOVA, Nina Pavlovna; DEKHTYAR',
Ye.G., red.; BUKOVSKAYA, N.A., tekhn. red.

[Precancer diseases of the stomach and the role of dis-
pensary service in their detection and treatment] Predra-
kovye zabolevaniia zheludka i rol' dispanserizatsii v ikh
vylavlenii i lechenii. Moskva, Izd-vo "Meditsina," 1964.
94 p. (MIRA 17:3)

*

KAZANTSEVA, M.N., prof.; VOSHCHANOVA, N.P. (Moskva)

Isolated myocarditis in children. Sov. med. 27 no.3:6-9 Mr '64.
(MIA 17:11)

ANDREYEV, V.Ye.; SHISHOV, Ye.L., retsenzents; VOSHCHENCHUK, A.F.,
retsenzents; FEDOROV, A.M., otv. red.

[Sinking vertical piles with simultaneous erection of
tower pile drivers] Prokhodka vertikal'nykh stvolov s
odnovremennym sooruzheniem bashennykh koprov. Moskva,
Nedra, 1964. 60 p. (MIRA 17:12)

VOSHCHENCHUK, A.F.

VOSHCHENCHUK, A.F. (g. Khar'kov)

S.E. Rozenberg's book "Maintenance cost for mines with wood
timbering" Reviewed by A.F. Voshchenchuk. Ugol' 30 no. 7: 46-
47 J1 '55. (MIRA 8:10)

(Mine timbering) (Rozenberg, S.E.)

VOSHCHENKO, A.V.

Verifying the geometric axis of the shell of a rotary kiln by means of a transit. TSement 20 no.6:23 N-D '54. (MIRA 8:3)

1. Amvrosiyevskiy tsementnyy zavod No.1.
(Kilns, Rotary)

VOSHCHENKO, B.I., inzh.; MERKULOVICH, V.A., inzh.

Mixing soil with binders and aggregates by the D-396 and D-445
ground-crushing and mixing machines. Stroitel. mashinostr.
4 no.10:16-17 O '59. (MIRA 13:2)
(Roads, Soil-cement)

VOSHCHENKO, B.I., inzh.

Control of evenness in mixing soil and bitumen. Ayt.dor. 22
no.6:29 Ja '59. (MIRA 12:9)
(Bituminous materials)

VOSHCHENKO, B.I., inzh.

Studying operations of the D-272 road milling cutter. Stroi. i
dor.mashinostr. 3 no.11:22 N '58. (MIRA 11:11)
(Road machinery)

YOSHCHENKO, B.I., inzh.; GUSHCHIN, V.D., inzh.; MARYSHEV, B.S., inzh.

Characteristics of the work of the D-530 road cutter in soil
stabilization. Avt. dor. 27 no.2:20-21 F '64. (MIRA 17:3)

VOSHCHENKO, B.I.

Distribution of binders in the soil processed in mixing machines.

Avt.dor. 21 no.10:7-8 0 '58.

(MIRA 11:11)

(Binding materials) (Mixing machinery)

VOSHCHENKO, B.I., kand.tekhn.nauk

Evaluating the mixing capacity of a road-cutting machine
by the characteristics of the preparation of combined
sandy loam on the roadbed. Avt.dor.i dor.stroi. no.1:52-
60 '65. (MIRA 18:11)

VOSHCHENKO, B.I., inzh.; MERKULOVICH, V.A., inzh.

Using mixing machinery for crushing soil. Stroi. i dor. mashinost. 4 no.11:21-23 N '59 (MIRA 13:3)
(Road machinery)

VOSHCHENKO, B.I., inzhener.

Mixing soil and binding materials with the D-272 cutter. Stroil.i dor.
mashinostr. 2 no.3:10-11 Mr '57. (MLRA 10:5)
(Mixing machinery) (Road machinery)

VOSHCHENKO, F.F.

With our Rumanian friends. Energetik 7 no.3:31-32 Nr '59.
(MIRA 12:4)

(Rumania--Hydroelectric power stations)

SOV/91-59-3-14/22

14(6)

AUTHOR: Voshchenko, F.F.

TITLE: Labor Union Activities (Profsoyuznaya zhizn') -
With Our Rumanian Friends (U nashikh rumynskikh
druzey)

PERIODICAL: Energetik, 1959, Nr 3, pp 31-32 (USSR)

ABSTRACT: In 1958, builders of the Stalingrad hydro-electric
plant (Stalingradskaya gidroelektrostantsiya) ex-
changed delegations with the Bicaz hydro-electric
plant imeni V.I. Lenin in the Rumanian People's Re-
public. The Rumanian delegation consisted of the
secretary of the Bicaz Party Committee, Mr. Gheorghe
Condrea, Deputy Chairman of the Building Committee,
Mr. Gheorghe Marchian, Member of the Building Commit-
tee, Engineer Marin Manalache, Engineer Mihai Horcea
from the Concrete Plant, and the leader of Concrete
Team, Mr. Alexandru Velcu. In addition to visiting
the construction site of the Bicaz hydro-electric
plant, the Soviet delegation visited many places

Card 1/2

SOV/91-59-3-14/22

Labor Union Activities - With Our Rumanian Friends

during its 2-week stay, including București and Constanța. The construction works of the Bicăz hydro-electric plant located on the Bistrița River in Carpathian Mountains, were started in 1950 and will be finished by 1961. The storage lake will have a capacity of 1,230,000,000 cu meters; the total output of six turbogenerators will amount to 210,000 kw. In addition, a number of hydro-electric plants are planned to be built in a series on the Bistrița River.

Card 2/2

VOSHCHEENKO, V., polkovnik, sud'ya respublikanskoy kategorii

In a sharp struggle. Kryl. rod. 15 no.11:11 N '64.

(MIRA 18:3)

VOSHCHENKO, V., mayor: LAPIN, Yu, kapitan.

Morning physical exercises. Vest.Vozd.Fl. 34 no.10:52-54 0 '51.
(Physical education and training, Military) (MLEA 8:3)

VOSHCHENKO, Z. S.

Voshchenko, Z. S. and Perlina, A. M. "Soft waters in municipal economy and living conditions," San. Tekhnika, Issue 2, 1948, p. 19-44

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

VOSHCHEV, G.P.

Antiskid systems for diesel locomotives need improvement.
Elekt.i tepl. tiaga 5 no.10:38 0 '61. (MIRA 14:10)

1. Pomoshchnik mashinista teplovoza depo Gudermes Severo-Kavkazskoy dorogi.
(Diesel locomotives--Equipment and supplies)

CA

9

Low alloy Bessemer railroad rails P. A. Vorobikhin, F. A. Petrushe, B. L. Sokolov, I. P. Pichkin, I. I. Shevchenko and I. M. Leikin. *Tsvetnaya Prakh. Met.* 11, No. 7, 34-41 (1939).—In steel decarburized with Fe-Mn and alloyed with Khalilov cast iron (Si 2.5-3.5, P not over 0.05%), the tensile strength, creep limit and hardness of the exptl. rails are considerably higher and the elongation and impact strength slightly lower than those of the ordinary rails. The macrostructure of the exptl. rails is nearly the same as, and the microstructure considerably better than, that of the ordinary rails. Rails to which Khalilov cast Fe had been added and to which Cr-Ni waste materials in the converter had been added showed no advantages over rails produced from steel to which only the Khalilov cast Fe had been added. Owing to the high cost of the Cr-Ni waste materials their addn. to steel is not recommended. Melting the Khalilov cast Fe in Bessemer cupola with an increased amt. of limestone causes no difficulties and produces low-alloy steels on a mass-production scale. For the production of steel of uniform chem. compn. the cast Fe should contain C 4.0-4.5, Mn 10-13, Si 2.5-3.5 and Cr 3.0-3.5%; the cupola charge should consist only of the Khalilov cast Fe. Mass production of the low-alloy rails requires no changes in the tech. process, except the raising of the temp. of the beginning of rolling to 1150°. The optimum compn. of steel contg. Cr 0.15-0.25% is C 0.42-48, Mn 0.75-0.95 and Si not less than 0.20%. The tensile strength of 70-85% of the low-alloy Bessemer steel rails is not less than 80 kg./sq. mm.

W. R. Henn

ASB-56A METALLURGICAL LITERATURE CLASSIFICATION

REGION 1	REGION 2	REGION 3	REGION 4	REGION 5	REGION 6	REGION 7	REGION 8	REGION 9	REGION 10	REGION 11	REGION 12	REGION 13	REGION 14	REGION 15	REGION 16	REGION 17	REGION 18	REGION 19	REGION 20	REGION 21	REGION 22	REGION 23	REGION 24	REGION 25	REGION 26	REGION 27	REGION 28	REGION 29	REGION 30	REGION 31	REGION 32	REGION 33	REGION 34	REGION 35	REGION 36	REGION 37	REGION 38	REGION 39	REGION 40	REGION 41	REGION 42	REGION 43	REGION 44	REGION 45	REGION 46	REGION 47	REGION 48	REGION 49	REGION 50	REGION 51	REGION 52	REGION 53	REGION 54	REGION 55	REGION 56	REGION 57	REGION 58	REGION 59	REGION 60	REGION 61	REGION 62	REGION 63	REGION 64	REGION 65	REGION 66	REGION 67	REGION 68	REGION 69	REGION 70	REGION 71	REGION 72	REGION 73	REGION 74	REGION 75	REGION 76	REGION 77	REGION 78	REGION 79	REGION 80	REGION 81	REGION 82	REGION 83	REGION 84	REGION 85	REGION 86	REGION 87	REGION 88	REGION 89	REGION 90	REGION 91	REGION 92	REGION 93	REGION 94	REGION 95	REGION 96	REGION 97	REGION 98	REGION 99	REGION 100
----------	----------	----------	----------	----------	----------	----------	----------	----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	------------

<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>																									
<p>PROCESSES AND PROPERTIES INDEX</p>																									
<p>Production of low-alloy Bessemer-steel rails in the Dzerzhinsk plant. P. A. Vnuchilo, P. A. Petrusha, S. I. Solonub, I. P. Filichkin; I. I. Shevchenko and I. M. Lefkin. <i>Tsviya Prakt. Met.</i> 11, No. 10-11, 70-3 (1930); cf. C. A. 35, 5437. The mech. and metallographic properties of rails produced from 0.3-0.6% Cr steel were better than those of steels lower in Cr. Steel contg. Cr 0.2-0.6 and C not below 0.41% produces rails with a tensile strength of not less than 80 kg./sq. m. In spite of the high tensile strength the hardness of the rails is satisfactory even with a C content of 0.50%. The impact resistance at -20° is not less than that of ordinary rails. At normal temps. the impact resistance is slightly lower. A considerably greater impact resistance was obtained in rails to which Al had also been added and in rails contg. little Cr and deoxidized with ferrotitanium. The macrostructure of Cr-steel rails is considerably better than that of ordinary rails. The rails should contain not less than 0.44% C. The mech. properties of steels to which ferrochrome had been added in the cupola were better than those to which ferrochrome had been added directly to the converter. Best results are obtained from Khalikov cast Fe contg. C 4.0-4.5, Mn 10.0-12.5, Si 2.5-3.5, Cr 5.5-7.5 and P not over 0.26%. The optimum compn. of Cr rail steel is C 0.44-0.50, Mn 0.70-0.90, Si 0.20-0.30 and Cr 0.40-0.60%. W. R. Henn</p>																									
<p>ASB-514 METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>																									

VOSHCHILIN, A.A.; SIMONENKO, P.I.

Organization of rapid drifting. Ugol' Ukr. 4 no.8:38
Ag '60. (MIRA 13:9)

1. Shakhtoupravleniye No.10 im. Volodarskogo.
(Donets Basin--Coal mines and mining)

VOSHCHILKO, M.Ye.

Wild black currants in regions of the Salair Ridge. Biul.Glav.bot.sad
no.52:103-105 '64. (MIRA 17:4)

1. Tsentral'nyy sibirskiy botanicheskiy sad Sibirskogo otdeleniya
AN SSSR, Novosibirsk.

VOSHCHININ, A., inzh.

The MAI motorboat. Za rul. 20 no.9:29 S '62. (MIRA 15:9)
(Motorboats)

VOSHCHININ, A., inzh.

The third speed potentiality. Za rul. 20 no.1:29-30 Ja '62.
(MIRA 15:2)

(Motorboats)

~~VOSCH~~ VOSHCININ, A.I.

SOKOLOV, K.M. YEVSTAFEYEV, S.V.; ROSTOTSKIY, V.K.; STANKOVSKIY, A.P.;
 VARENIK, Ye.I.; ONUPRIYEV, I.A.; SVESHNIKOV, I.P.; UKHOV, B.S.;
 BAUMAN, V.A.; BARSOV, I.P.; BASHINSKIY, S.V.; BOYKO, A.G.; VALUTSKIY,
 I.I.; ZAPOL'SKIY, V.P.; ZOTOV, V.P.; IVANOV, V.A.; YAZARINOV, V.M.;
 LEVI, S.S.; MALOLETKOV, Ye.K.; MEHENKOV, A.S.; MIROPOL'SKAYA, N.E.;
 OSIPOV, L.G.; PEREL'MAN, L.M.; PETROV, G.D.; PETROV, N.M.; POLYAKOV,
 V.I.; VATSSLAVSKAYA, L.Ya.; VAKHRAMEYEV, S.A.; VERZHITSKIY, A.M.;
 VLASOV, P.A.; VOL'FSON, A.V.; VOSHCININ, A.I.; DZHUNKOVSKIY, N.N.;
 DOMBROVSKIY, N.G.; YEPIFANOV, S.P.; YEFREMEYKO, V.P.; ZELICHENOK, G.G.;
 ZIMIN, P.A.; POPOVA, N.T.; ROGOVSKIY, L.V.; REBROV, A.S.; SAPRYKIN, V.A.;
 SOVALOV, I.G.; SOSHIN, A.V.; STARUKHIN, N.M.; SURENYAN, G.S.; TOLORAYA,
 D.F.; TROITSKIY, Kh.L.; TUSHNYAKOV, M.D.; FROLOV, P.T.; TSIRKUNOV, I.P.

Andrei Vladimirovich Konorov; obituary. Mekh. stroi. 16 no.1:32 Ja
 '59. (MIRA 12:1)

(Konorov, Andrei Vladimirovich, 1890-1958)

VOSHCHININ, A. I.

VOSHCHININ, A. I. -- "CONTROL OF TWISTING MOMENTS AND SPEED OF ROTATION OF SHAFTS OF TURBOGEARING ON BUILDING CONSTRUCTION AND HIGHWAY-BUILDING MACHINES." SUB 5 MAR 52, INST OF MACHINE SCIENCE, ACAD SCI USSR (DISSERTATION FOR THE DEGREE OF DOCTOR IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

VOSHCHININ, A. L.

LAPIDUS, Viktor Iosifovich, kandidat tekhnicheskikh nauk; PETROV, Vyacheslav Aleksandrovich, kandidat tekhnicheskikh nauk; OSTROVTSSEV, A. N., kandidat tekhnicheskikh nauk, retsenzent; VOSHCHININ, A. I., doktor tekhnicheskikh nauk, redaktor; BAUMAN, I. M., redaktor izdatel'stva; UVAROVA, A. F., tekhnicheskiiy redaktor

[Hydraulic transmission for automobiles] Gidravlicheskie transmissii avtomobilei. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 383 p. (MLRA 10:5)
(Automobiles--Transmission devices)

VOSHCHININ, A.I., kandidat tekhnicheskikh nauk.

Turbine transmission for construction winches. Mekh.stroi. 4
no.12:9-14 D '47. (MLRA 9:3)
(Winches)

VOSHCHININ, A.I., kandidat tekhnicheskikh nauk.

~~Modern concrete conveyors; automotive concrete mixers and~~
dischargers. Mekh.stroi. 4 no.6:8-12 Je '47. (MIRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut Stroydormash.
(Mixing machinery)

VOSHCHININ, A.I., kandidat tekhnicheskikh nauk.

~~XXXXXXXXXXXXXXXXXXXX~~ /"
Turbo-transmission as applied to excavating machinery. Mekh.stroi.
4 no.5:15-19 My '47. (MLRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut Stroydormash.
(Excavating machinery--Transmission devices)

VOSHCHININ, A.I., kandidat tekhnicheskikh nauk; ZELENSKIY, Yu.S., inzhener.

Annular grinders for construction materials. Mekh.stroi. 4 no.4:
16-21 Ap '47. (MLBA 9:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut otdela stroitel'-
nogo i dorozhnogo mashinostroyeniya.
(Milling machinery)

VOSHCHININ, A.I., kandidat tekhnicheskikh nauk.

New machine for unloading cement from closed freight cars.
Mekh.stroi. 4 no.3:16-19 Mr '47. (MLRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut Stroydormash.

(Loading and unloading)

SEMICHASTNOV, Ivan Fedorovich, kandidat tekhnicheskoy nauk, dotsent;
SHISHKIN, K.A., professor, retsenzent; YOSHCHEV, A.I., doktor
tekhnicheskikh nauk, professor, retsenzent; BLIZNYANSKIY, A.S.,
inzhener, redaktor; MATVINEVA, Ye.N., tekhnicheskoy redaktor;
SOKOLOVA, T.F., tekhnicheskoy redaktor

[Hydraulic transmissions in diesel locomotives] Gidravlicheskie
peredachi teplovozov. Moskva, Gos. nauchno-tekhn. izd-vo mashino-
stroit. lit-ry, 1956. 191 p. (MLRA 9:10)

(Hydraulic transmission)

(Diesel locomotives--Transmission devices)

VOSHCHININ, A.I.

[Hydraulic and pneumatic equipment for building and road construction machinery] Gidravlicheskie i pnevmaticheskie ustroistva na stroitel'nykh i dorozhnykh mashinakh. Moskva, Mashgiz, 1954. 332 p. (MLRA 7:12D)

1. VOSHCHININ, A. I.
2. USSR (600)
4. Building Machinery
7. Dissertation "Regulating rotation moments and speed of turbo-transmission shafts of building construction and road machinery." Izv. AN SSSR. Otd. tekhn. nauk. no. 8, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

VOSHCHININ, A.I.

Prevention of machinery overloading by means of fluid coupling.

Trudy Sem.teor.mash. 13 no.51:33-53 '53. (MIRA 7:1)

(Power transmission) (Hydraulic machinery)

VOSICHININ, A. I.

PA 3 T20

USSR/Engineering
Winches

Sep/Oct 1946

"Contemporary Mechanical Winches," A. I. Voshchinin,
Candidate in Technical Sciences, 6½ pp

"Mekhanizatsiya Stroitel'stva" No 9/10

Discusses various types of winches and method of
classification, i.e., friction type, two-drum type,
etc. Explains the operation of the Soviet OKB-2-04,
the S-188, etc. Mentions some particular uses to
which these mechanized winches can be put, such as
for operating provisional elevators, and some special
adaptions of the winch, such as power take-off from
trucks.

LC

38T20

VOSHCHININ, A. I., doktor tekhn. nauk

Analysis of and outlook for future development of turbo-transmissions building machines. Sbor. trud. MISI no. 39: 350-354 '61. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya.

(Gearing)

(Building machinery—Equipment and supplies)

VOSHCHININ, A.I.; SAVIN, I.F.

[Hydraulic and pneumatic systems of construction and road machinery] Gidravlicheskie i pnevmaticheskie ustroistva na stroitel'nykh i dorozhnykh mashinakh. Moskva, Mashinostroenie, 1965. 451 p. (MIRA 18:4)

VOSHCHININ, A.P., inzhener.

Simplified method for calculating leakage of earth dams. Gidr.stroi.
26 no.8:34-36 Ag '57. (MIRA 10:10)

(Dam)

VOSHCHININ, A.P., inzh.

Method of seepage calculations in designing earth dams. Trudy
Gidroproekta 2:57-77 '59. (MIRA 13:7)

1. Nauchno-issledovatel'skiy sektor Vsesoyuznogo proyektno-
izyskatel'skogo i nauchno-issledovatel'skogo instituta
"Gidroproyekt" im. S.Ya.Zhuk.
(Dams) (Soil percolation)

VOSHCHININ, A.P., inzh.; OGURTSOV, A.I., kand.tekhn.nauk; SEVAST'YANOV, V.I.,
inzh.

Filling rock embankments with sand by hydraulic methods. Gidr.stroi.31
no.2:27-31 P '61.

(Dams)

(MIRA 14:3)

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.;
 BIRYUKOV, S.M.; BLOKHIN, S.I.; BOBOVOY, G.A.; BULEV, M.Z.; BURAKOV,
 N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSTOKHIN, A.P.;
 GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT,
 Ya.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.;
 GOBACHEV, V.N.; GRZHIB, B.V.; GREKULOV, L.F., kand. s.-kh. nauk;
 GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO,
 Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNUKOV, M.D.; ZHOLIK,
 A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.;
 KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KOMAREVSKIY, V.T.;
 KOSENKO, V.P.; KORENISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.;
 KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.;
 LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKHEVICH, K.F.; MEL'NICHENKO,
 K.I.; MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk;
 MUSIYEVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.;
 OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN,
 G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; REMEZOV, N.P.;
 ROZANOV, M.P., kand. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.;
 RYBCHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.;
 SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY,
 Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA,
 Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.;
 TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN,
 N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SHCHERBINA,
 I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANOKL'SKIY,
 (Continued on next card)

ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUMER, P.D., retsenzent, red.; BORODIN, P.Y., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., retsenzent, red.; GUDAYEV, I.N., retsenzent, red.; YERMOLOV, A.I., kand. tekhn. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; IUKIN, V.V., retsenzent, red.; LUSKIN, Z.D., retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MENKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBRZHKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsenzent, red.; FKDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; HUSSO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER, (Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.N.,
tekhn. red.; GENKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn.
red.

[Volga-Don; technical account of the construction of the V.I. Lenin
Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center,
and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'-
stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSim-
lianskogo gidrouzla i orositel'nykh sooruzhenii, 1949-1952; v plati
tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural
descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk.
Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of con-
struction. Specialized operations in hydraulic engineering] Orga-
nizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.
(Continued on next card)

ANDON'YEV, V.I.... (continued) Card 4.

Glav. red. S.IA. Zhuk. Red. toma I.N. Kostrov. 1958. 319 p.

(MIRA 11:9)

1. Russia (1923- . U.S.S.R.) Ministerstvo elektrostantsii. Byuro tekhnicheskogo otcheta o stroitel'stve Volgo-Dona. 2. Chlen-korrespondent Akademii nauk SSSR (for Akhutin). 3. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin, Razin).

(Volga Don Canal--Hydraulic engineering)

PA 19/49T49

USER/Engineering

Nov/Dec 48

Dams

Mathematics, Applied

"Design of Homogeneous Earthen Dams, Constructed
on a Permeable Foundation," A. P. Voshchinin,
Moscow, 8 pp

"Priklad Matemat i Mekh" Vol XIII, No 6

Discusses solutions of filtration problems a-
rising in the design of homogeneous earthen
dams with permeable foundations of any depth.
Submitted 6 Jun 41.

FDB

19/49T49

<div style="float: left; width: 150px; text-align: center;"> <h1 style="margin: 0;">AMR</h1> </div> <div style="float: right; width: 300px; text-align: center;"> <h1 style="margin: 0;">Soil Mechanics, See page 31</h1> </div> <div style="clear: both;"></div> <p> 205. A. P. Vashchinskii, "Design of homogeneous earth dams on pervious foundations," (in Russian), <i>Appl. Math. Mech.</i> <i>(Prikl. Mat. Mekh.)</i>, Nov.-Dec. 1968, v. 4, no. 10, pp. 761-764. </p> <p> The paper presents a mathematical analysis of two-dimensional seepage through a homogeneous earth dam provided with a rock toe and built on a pervious foundation of the same permeability as the dam. The pervious foundation is underlain by an impervious material. </p> <p> The solution is obtained in terms of elliptic and hyperbolic functions by means of conformal representation by the method of Zhukovskii. Mathematical difficulties require two modifications of the actual boundary conditions: the upper surface of the founda- tion upstream of the dam is taken at the water level, and the straight horizontal boundary of the impervious layer is replaced by a curved one. The error introduced by these changes is shown to be small when the thickness of the pervious layer is several times greater than the head. Two numerical examples are given. </p> <p style="text-align: right;">A. Ilrennikoff, URA</p>									
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--	--	--	--

 June 49 | | | | | | | | | || ADD-364 DETAILING LITERATURE CLASSIFICATION | | | | | | | | | | | | | | | | | | | |
SOURCE INFORMATION										SOURCE NUMBER									
SOURCE #										SOURCE #									
SOURCE #										SOURCE #									

VOSHCHININ, L.I., doktor tekhn. nauk, prof., otv. red. vypuska

[Hydraulic drive] Gidreprivod. Moskva, Izd-vo AN SSSR.
Pt.1.[Hydrodynamic transmissions (basic concepts, elements
of hydrodynamic transmissions, hydraulic couplings, hydro-
dynamic torque converters): Terminology] Gidrodinamicheskie
peredachi (osnovnye poniatia, elementy gidrodinamicheskikh
peredach, gidrodinamicheskie mufty, gidrodinamicheskie
transformatory): Terminologiya. 1963. 24 p. (Sbornik rekomenduemykh terminov, no.63) (MIRA 16:11)

1. Akademiya nauk SSSR. Komitet nauchno-tekhnicheskoy terminologii.

(Oil hydraulic machinery)

VOSHCHININ, N.P., kand.tekhn.nauk

Prospects for the development of tamping machines for
soil compaction. Stroi. i dor. mash. 7 no.8:4-7 Ag '62.
(MIRA 15:9)

(Soil stabilization)

VOSHCHININ, N.P., kandidat tekhnicheskikh nauk.

Selecting basic parameters for the working parts of tamping machines
for soil consolidation. Strel. i der. mashinestr. no.7:10-13 J1 '56.
(Soil stabilization) (MIRA 9:10)

BROMBERG, Avraam Aleksandrovich, prof.; BALOVNEV, Vladlen Ivanovich, kand. tekhn. nauk; VOSHCHININ, Nikolay Petrovich, kand. tekhn. nauk; PIKOVSKIY, Yakov Moiseyevich, kand. tekhn. nauk; POLOSIN-NIKITIN, Serafim Mikhaylovich, kand. tekhn. nauk; SHARTS, Ariy Zel'manovich, inzh.; ANDROSOV, A.A., kand. tekhn. nauk, retsenzent; VASIL'YEV, A.A., inzh., retsenzent; IONOV, P.M., inzh., red.; TIKHANOV, A.Ya., tekhn. red.

[Road machinery; an atlas of designs] Dorozhnye mashiny; atlas konstruksii. Pod red. A.A.Bromberga. Izd.2., perer. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 153 p.

(MIRA 14:6)

(Road machinery)

VOSHCHININ, N.P., inzh.; BOBYLEV, L.M., inzh.; CHIROV, Ye.V., inzh.

Effect of the parameters of tamping slabs on the process of compacting
soils. Transp. stroi. 14 no.7:39-41 J1 '64.

(MIRA 18:1)

PIKOVSKIY, Yakov Moiseyevich, dotsent, kand.tekhn.nauk; POLOSIN-NIKITIN, Serafim Mikheylovich, dotsent, kand.tekhn.nauk; YOSHCHININ, Nikolay Petrovich, dotsent, kand.tekhn.nauk; BALOVNEY, Vladlen Ivanovich, dotsent, kand.tekhn.nauk; ANDROSOV, A.A., kand.tekhn.nauk, retsenzent; NIKITIN, A.G., inzh., red.; CHERNOVA, Z.I., tekhn.red.

[Road machinery and equipment; machinery and plants for making pavements] Dorozhnye mashiny i oborudovanie; mashiny i zavody dlia postroiiki dorozhnykh pokrytii. Pod obshchei red. I.A.M. Pikovskogo. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 604 p. (MIRA 14:1)

(Road machinery)

(Mixing machinery)

VOSHCININ, N.P., kand. tekhn. nauk.; DIDUKH, B.I., insh.

Machine for tamping the bottoms and slopes of canals. Stroi. i
dor. mashinostr. 4 no.11:20-21 N '59 (MIRA 13:3)
(Canals) (Soil stabilization)

BROMBERG, Avraam Aleksandrovich, prof.; YOSHCHININ, Nikolay Petrovich, kand.tekhn.nauk; PIKOVSKIY, Yakov Moiseyevich, kand.tekhn.nauk; POLOSIN-NIKITIN, Serafim Mikhaylovich, kand.tekhn.nauk; SHARTS, Ariy Zel'manovich, inzh.. Prinsipal uchastiye: BALOVNEV, V.I., kand.tekhn.nauk. ALFEROV, K.V., prof., doktor tekhn.nauk, retsenzent; NEMIROVSKIY, E.I., inzh., retsenzent; IONOV, P.M., inzh., red.; TIKHANOV, A.Ya., tekhn.red.

[Earthmoving machinery; atlas of designs] Mashiny dlia zemlianykh rabot; atlas konstruktsii. Pod red. A.A.Bromberga. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 154 p. (MIRA 13:1)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta imeni I.V.Stalina (for Alferov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i dorozhnogo mashinostroyeniya (VNIIStroydormash) (for Nemirowskiy).

(Earthmoving machinery--Design)

VOSHCHININ, P.A.; NESTERENKO, G.A.

Introduction of forage plants from the flora of the U.S.S.R.
and the establishment of regions for the use of particular
perennial grasses in cultivated pastures and hay fields. Trudy
Bot.inst.Ser.6 no.7:178-182 '59. (MIRA 13:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov im.
V.P.Vil'yamsa, Lugovaya.
(Pastures and meadows)

VOSHCHININ, P.A., kand. sel'khoz.nauk; GRINCHUK, I.M., inzh.;
ZHURAVLEV, A.A., kand. sel'khoz. nauk; KARAVYANSKIY,
N.S., kand. sel'khoz. nauk; SHAIN, S.S., doktor sel'-
khoz. nauk, prof.[deceased]; YATSUK, Ye.P., kand. tekhn.
nauk; ANTONOVA, M.M., red.; GINZBURG, A.S., tekhn.red..
KOBYAKOVA, G.N., tekhn. red.

[Seed production of meadow grasses] Semenovodstvo lugovykh
trav. [By] P.A.Voshchinin i dr. Moskva, Sel'khozizdat,
1963. 151 p. (MIRA 17:4)

VOSHCHININ, P. A.

Semenovodstvo lugopastbishchnykh trav [Seed culture of meadow and pasture grasses].
Moskva, Sel'khozgiz, 1951. 56 p.

SO: Monthly List of Russian Accessions, Vol 6 No 4, July 1953

1. VOSHOCHINTN, P. A.
2. USSR (600)
4. Agriculture
7. Seed culture of meadow and pasture grasses. Moskva, Sel'khozgiz, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

VOSHCHININ, V. A.

OVCHINIKOV, S. M. AND VOSHCHININ, V. A. Employing Freezing macrotome without
the use of carbon dioxide.

So: Veterinariya; 23; (12); December 1946; Uncl.
TABCON

VOSHCHININ, V.P.

VOSHCHININ, V.P. Kazakstan. Leningrad, Gosizdat, 1929. 90 p.
(Ekonomicheskaiia geografiia SSSR po raionam).

"Spisok osnovnoi ispol'zovannoi literatury i statisticheskikh materialy": p. 89-90.
DLC: HC487.K3V6

SO: LC, Soviet Geography, Part II, 1951/Unclassified.

VOSHCHININ, Viktor Vasil'yevich

Designing-Engineering

Order of Mark of Honor

Soviet Source: N: Red Fleet #176, 29 July 47, Moscow

Abstracted in USAF "Treasure Island", on file in Library of Congress, Air Information Division, Report No. 30385.

7

Fractional determination of chlorate, bromate and iodate ions. N. A. Tananaev and M. S. Vochelinskaya. *J. Applied Chem.* (U. S. S. R.) 10, 1119-21 (in French) [121] (1937).—The detection of the above ions in the presence of Cl, Br, I and SO₄ ions was investigated. (a) Treat 5 cc. of sample with 1 N AgNO₃, while shaking and cooling, until complete pptn., add 1-2 cc. more, decant or filter, add to the filtrate Zn dust, 1-2 cc. of H₂SO₄ (1:4), shake, allow to stay for a min., add 3-4 cc. of concd. HNO₃, and boil until a gray ppt. of Ag dissolves and forms a white AgCl ppt. Wash the ppt. 3 times with cold water, add a satd. KIO₃ soln. (0.5 cc. at time) until no white ppt. forms, add 3-4 cc. in excess, boil for 1 min., decant the soln., add to the decantate 2-3 cc. of HNO₃ (1:4) and 1 cc. of satd. Mn(NO₃)₂ and boil for 2 min. The formation of the brown ppt. of MnO₂ (H₂MnO₄) shows the presence of IO₃ ion. (b) Add 5 cc. of satd. BaCl₂ soln. to 5 cc. of the sample and one drop of concd. alkali. Boil for a min., filter and wash the ppt. twice with boiling water. Dissolve the ppt. in 2-3 cc. of hot 4 N HCl, add 1 cc. of 7 N H₂SO₄ and 2 cc. of 0.6 N NH₄CNS. A yellow or reddish brown color, depending on the amt. of sepl. I₂, indicates the presence of IO₃ ion in the sample. A. A. P.

ADD-55A METALLURGICAL LITERATURE CLASSIFICATION

TEST AND THE COVER										PROCESSES AND PROPERTIES INDEX										1ST AND 2ND PAPERS									
Ca										<p>Volumetric determination of chlorides by the Volhard method after a preliminary oxidation with zinc in acid solution to chlorides. N. A. Tomanov and M. N. Yashchinskaya. <i>J. Applied Chem.</i> (U. S. S. R.) 11, 1202 (in French 1938) (1938). Diss. 50 cc. of approx. 0.1 N chloride with 50 cc. of concd. H_2SO_4. Shake for 5 min. Add to 100 cc. Filter through a dry filter, rejecting the first 5 cc. To 50 cc. of the filtrate add 50 cc. of 0.1 N $AgNO_3$. Shake until the ppt. settles. Add 2 cc. of ferric alum soln. and titrate slowly with 0.1 N KCN soln. (or NH_4CNS). The accuracy of the method is 0.28%.</p> <p>A. A. Pulguny</p>										7									
<p>ASS. S. A. METALLURGICAL LITERATURE CLASSIFICATION</p>																													

1ST AND 2ND DEGREE		PROCESS AND PROPERTIES INDEX		3RD AND 4TH DEGREE	
CA				2	
<p>Equilibrium reactions having high constants. N. A. Taitanov and M. N. Vashchinskaya. <i>Zhurnal Khim. Fiz.</i> 40:1000 (1970).—The reactions $\text{Ag}_2\text{CrO}_4 \rightleftharpoons \text{Ag}_2\text{O} + 2\text{AgCl}$, $\text{Ag}_2\text{CrO}_4 \rightleftharpoons \text{Ag}_2\text{O} + \text{Ag}_2\text{CrO}_4$, and $\text{Ag}_2\text{CrO}_4 \rightleftharpoons 2\text{AgCl}$ proved to the right, 100% in 10 min. at 22°. For the third reaction the formation of AgCl goes to 100% in the presence of any excess CrO_4^{2-}. The reaction $\text{Ag}_2\text{Fe}(\text{CN})_6 \rightleftharpoons 2\text{AgCl}$ goes 92.5% to the right and $L_p = 0.70 \times 10^{-10}$ for $\text{Ag}_2\text{Fe}(\text{CN})_6$. The reaction $\text{Ag}_2\text{Fe}(\text{CN})_6 \rightleftharpoons 4\text{AgCl}$ (studied from the right to the left only and it proceeded to 7.8% and $L_p = 1.13 \times 10^{-10}$ for $\text{Ag}_2\text{Fe}(\text{CN})_6$).</p> <p>B. Z. Kamch</p>					
<p>ASM-SAE METALLURGICAL LITERATURE CLASSIFICATION</p>					
FROM SYNDICATE		TO THE MET. IND. DIV.		STATION ONE ONLY 151	

KHODAKOVA, W.I.; ABRAMOVA, I.G.; VOSHOHINSKAYA, N.P.

Some data for the study of diphyllodethriasis in Turukhansk and Igarka Districts of Krasnoyarsk Territory. Med. parazit. i parazit. bol. 34 no.2:139-145 Minsk '65. (MIRA 13:11)

1. Gel'mintologicheskii otel Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo Ministerstva zdorovokhraneniya SSSR i krayevaya sanitarno-epidemiologicheskaya stantsiya Krasnoyarska.

VOSHCHINSKAYA, N.V.

Voshchinskaya, N.V. -- "Synatropic Flies and Development of Measures for Controlling Them Under Ecological Conditions of the Armenian SSR." Cand Biol Sci, Department of Biological Sciences, Acad Sci Armenian SSR, 15 Jan 54. (Kommunist (Yerevan), 10 Jan 54)

SO: SUM 168, 22 July 1954

L 03011-67 FWT(d)/FWT(m)/FWP(v)/T/FWP(t)/FTI/ETP(k)/EWP(h)/EWP(l)

ACC NR: AP6023435 JD/HM

SOURCE CODE: UR/0135/66/000/007/0001/0003

AUTHOR: Baranov, M. S. (Candidate of technical sciences); Afanas'yev, V. N. (Engineer); Voshchinskiy, M. L. (Engineer); Vaynshteyn, R. M. (Engineer); Nedel'chik, E. V. (Engineer); Taganov, Yu. I. (Engineer); Geynrikhs, I. N. (Engineer)

ORG: All-Union Extramural Machine Building Institute (Vsesoyuznyy zaochnyy mashino-stroitel'nyy institut)

TITLE: Laser welding of some metals A

SOURCE: Svarochnoye⁷⁵ proizvodstvo, no. 7, 1966, 1-3

TOPIC TAGS: laser application, laser welding / SU-1 laser welder, 1Kh18N9T steel, KO steel 26 10

ABSTRACT: The results of laser welding of fillet joints of copper and L-62 silver coated brass with 1Kh18N9T steel, KO steel and copper are presented. The SU-1 laser welder (shown in photograph) was used to weld thin wires [$d < 0.1$ mm] attached to semiconductive and microelectronic devices. The unit power input is regulated by adjusting various object lenses with focal distances of 10, 20, 40, and 50 mm. Unit power input is calculated by the formula $g = W^2/tF$ where W^2 is the energy of radiation considering the losses in the optic system in joules; t is the pulse time in sec and F is the focal area in cm^2 . The weld penetration and width are proportional to the maximum volt-

UDC: 621.791.72:535.14:669.15-194

Card 1/2

L 03011-67.

ACC NR: AP6023435

age of the condenser battery. This relationship is shown in a table for U8A steel where focal distance is 20 mm. Another test was carried out on strips of U8A steel with a thickness of 2.6 mm (surface condition of the 10th class in accordance with GOST 2789-59) in order to determine the relationship between width and penetration of the welds and the defocusing. These tests showed that when $\Delta f = 0.75$, the weld penetration was $\max h = 22 \mu$. Overlap welding was carried out on copper with L-62 brass, with non-coated brass, 1Kh18N9T stainless steel, KO low-carbon steel and finally on copper wires. Without stripping the insulation [M1] copper wire of $d = 0.05$ mm was welded to a silver-coated brass rod of $d = 0.5$ mm. Neither of these specimens showed cracks in the welds. However, microporosity was indicated in some of the specimens. Shear strength tests of the welds were carried out on two types of welds: without stripping the insulation from the copper wire and with bare wire. The first specimens had an average shear strength of 25.3 kg/mm^2 while for the second typepe, a shear strength of 26 kg/mm^2 . The small difference makes it feasible to recommend this welding process without stripping the insulation. A comparative test of the laser-welded and brassed joints was made. The latter showed an average strength 13% less than the welded joints. The authors conclude that the laser-welded joints have considerably better mechanical properties than the soldered joints. This is due to the smaller heat-affected zone. Orig. art. has: 6 figures, 1 table.

SUB CODE: 13,20/ SUBM DATE: none

Joining of dissimilar metals 18

Card 2/2 aww

VOSHCHANOV, K. P.

USSR/Metallurgy - Welding, Caustic
Embrittlement

Jul 52

PA 233742
"Welding Up the Cracks Caused by Caustic Embrittle-
ment in Drums of Steam Boilers," K. P. Voshchanov,
Enggr, Cen Exptl Welding Shop of Glavkislород

"Avtogen Delo" No 7, pp 21-23

Discusses development of cracks in riveted joints
and outlines methods for repairing damaged equipment.
Describes expts for welding up caustic embrittlement
cracks in all-forged or all-welded drums of high-
pressure boilers. Concludes that this type of boiler
may be repaired by welding. Preliminary removal of

233742

all damaged portions of plate is required for obtain-
ing good results. Insert has to be welded in when
vol of damaged metal is large.

233742

BC

5 II 1

Determination of resorcinol and phenol present together in sulphite melts. M. M. KUMARJAKIN and V. N. VOZHDARYA. (Azulinokras. Prom., 1933, 3, 457-459).—A quantity of the melt, containing > 0.3 g. of PhOH , 2 g. of NaHSO_3 , and 0.008–0.1 g. of resorcinol (I), is boiled with 1% H_2SO_4 to remove SO_2 (3 hr.) and (I) is determined by Rostovtseva and Gofman's method (cf. preceding abstract). R. T.

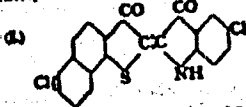
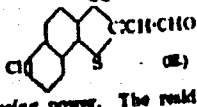
ASS-ELA METALLURGICAL LITERATURE CLASSIFICATION

VOSHDAEVA, V. N.,
R. K. EICHMAN, (Anilinokras. Prom., 1934, 4, 523-531)

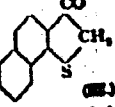
VOSHDEEVA, V. N.,
R. K. EICHMAN, (Anilinokras. Prom., 1934, 4, 461-472)

B-2-4

Indigo-dye (I). L. V. N. Voskresens (J. Appl. Chem. Russ., 1940, 12, 1638-1639). The commercial dye contains

(I)  (II) 

76% of impurities having no dyeing power. The residue consists of 23 dyes, of which one dye is present in traces only and is not in CO₂. The other yields a blue dye when oxidized and has the empirical formula C₁₂H₇O₂NHCl (II). Hydrolysis of this dye with KOH in EtOH affords 2-chloroanthranilic acid and a substance, C₁₂H₇O₂NHCl, m.p. 187-187.5° (decomp.), to which the structure (III) is assigned. Condensation of tautis with the substance of structure (III) gives a dye having an absorption spectrum identical with that of the product of catalytic dechlorination of (I).

(III) 

ASD-5LA METALLOGICAL LITERATURE CLASSIFICATION

GROUP	SUBGROUP	CLASS	NUMBER	DATE	REMARKS
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9
10	10	10	10	10	10
11	11	11	11	11	11
12	12	12	12	12	12
13	13	13	13	13	13
14	14	14	14	14	14
15	15	15	15	15	15
16	16	16	16	16	16
17	17	17	17	17	17
18	18	18	18	18	18
19	19	19	19	19	19
20	20	20	20	20	20
21	21	21	21	21	21
22	22	22	22	22	22
23	23	23	23	23	23
24	24	24	24	24	24
25	25	25	25	25	25
26	26	26	26	26	26
27	27	27	27	27	27
28	28	28	28	28	28
29	29	29	29	29	29
30	30	30	30	30	30
31	31	31	31	31	31
32	32	32	32	32	32
33	33	33	33	33	33
34	34	34	34	34	34
35	35	35	35	35	35
36	36	36	36	36	36
37	37	37	37	37	37
38	38	38	38	38	38
39	39	39	39	39	39
40	40	40	40	40	40
41	41	41	41	41	41
42	42	42	42	42	42
43	43	43	43	43	43
44	44	44	44	44	44
45	45	45	45	45	45
46	46	46	46	46	46
47	47	47	47	47	47
48	48	48	48	48	48
49	49	49	49	49	49
50	50	50	50	50	50
51	51	51	51	51	51
52	52	52	52	52	52
53	53	53	53	53	53
54	54	54	54	54	54
55	55	55	55	55	55
56	56	56	56	56	56
57	57	57	57	57	57
58	58	58	58	58	58
59	59	59	59	59	59
60	60	60	60	60	60
61	61	61	61	61	61
62	62	62	62	62	62
63	63	63	63	63	63
64	64	64	64	64	64
65	65	65	65	65	65
66	66	66	66	66	66
67	67	67	67	67	67
68	68	68	68	68	68
69	69	69	69	69	69
70	70	70	70	70	70
71	71	71	71	71	71
72	72	72	72	72	72
73	73	73	73	73	73
74	74	74	74	74	74
75	75	75	75	75	75
76	76	76	76	76	76
77	77	77	77	77	77
78	78	78	78	78	78
79	79	79	79	79	79
80	80	80	80	80	80
81	81	81	81	81	81
82	82	82	82	82	82
83	83	83	83	83	83
84	84	84	84	84	84
85	85	85	85	85	85
86	86	86	86	86	86
87	87	87	87	87	87
88	88	88	88	88	88
89	89	89	89	89	89
90	90	90	90	90	90
91	91	91	91	91	91
92	92	92	92	92	92
93	93	93	93	93	93
94	94	94	94	94	94
95	95	95	95	95	95
96	96	96	96	96	96
97	97	97	97	97	97
98	98	98	98	98	98
99	99	99	99	99	99
100	100	100	100	100	100

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861020009-4

105 SEP 20 1980 12 47

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861020009-4"

VOSHEDCHENKO, B.M.

Category : USSR/Solid State Physics - Mechanical Properties of Crystals and Polycrystalline Compounds E-9

Also known as: Ref Zhur - Fizika, No. 2, 1957 No. 3010

Card : 1/1

KONTOROVICH, I.Ye., doktor tekhnicheskikh nauk, professor; VOSHEDCHENKO,
B.M., kandidat tekhnicheskikh nauk.

Role of microstructure in the physical characteristics of brittleness. Metalloved. i obr.met. no.1:35-37 Ja '57. (MLBA 10:2)

1. Moskovskiy aviatsionnyy tekhnologicheskiy institut.
(Steel, Structural--Metallography)
(Steel--Brittleness)